

Work Order ID 110645***110645***

Page 1

Tuesday, January 07, 2014 1:32:05 PM

Item ID: D120-752-3-001 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Placard
Start Date: 1/7/2014 Start Qty: 12.00 ***12*** Cust Item ID:
Required Date: 1/10/2014 Req'd Qty: 12.00 ***12*** Customer:
Reference:

Approvals: Process Plan: mf Date: 14-01-07 Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D120-752-3	C

100

0.00

100

Purchasing

Memo

0.00

Purchasing

Issue P/O: 22536
E-mail or Ship electronic file and or dwg to vendor
Manufacture as per Dwg and supplied files
Possible supplier: Studio Letrage
Material release note is required.

CL 14/01/07 (12)

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Memo

0.00

Packaging

CL 14/01/13 (12)

Work Order ID 110645

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110645

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Item ID: D120-752-3-001

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Placard

Start Date: 1/7/2014 Start Qty: 12.00 ***12***

Cust Item ID:

Required Date: 1/10/2014 Req'd Qty: 12.00 ***12***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

120 QC6- Inspect dimensions to drawing

0.00 ^{DAS} 27***120***9-89
4/1/13

12

QC

Memo

Quality Control

130 Identify as per dwg & Stock Location: ST382 0.00***130***

0.00

12x ^{DAS} 28 14-01-14
9-89

Packaging

Memo

Packaging

140 QC21- Final Inspection - Work Order Release 0.00

140

0.00

14-01-14

QC

Memo

Quality Control

④ 14-01-14

Picklist Print

Tuesday, January 07, 2014 1:32:04 PM

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Work Order ID: 110645

Parent Item: D120-752-3-001

Start Date: 1/7/2014

Required Date: 1/10/2014

Parent Item Name: Placard

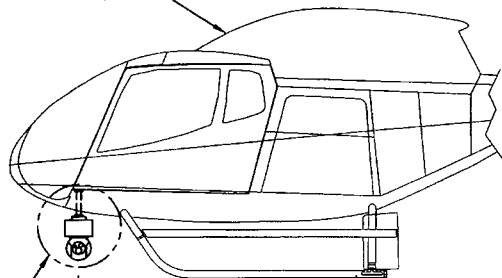
Start Qty: 12.00

Required Qty: 12.00

Comments: IPP REV:A 14.01.07 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D120-752-3-001P Placard		Purchased	No				Each	0.0000		12		1/4/13	(12)

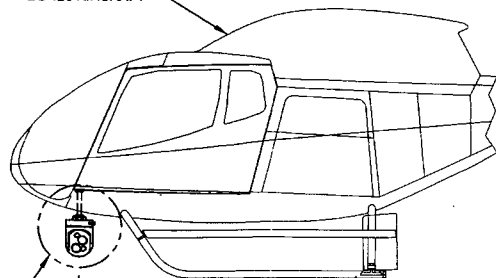
EC 120 AIRCRAFT



D120-752-3-101 FLIR U7500 INSTALLATION

SEE FIGURE 1

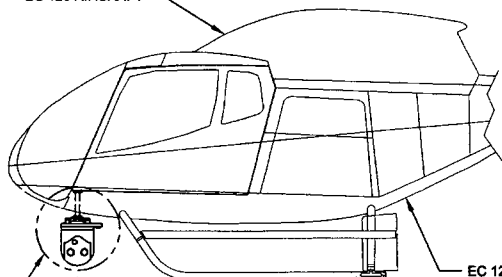
EC 120 AIRCRAFT



D120-752-3-107 WESCAM MX10 INSTALLATION

SEE FIGURE 3

EC 120 AIRCRAFT



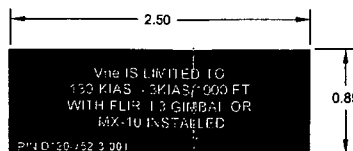
D120-752-3-105 L3 THERMAL IMAGER INSTALLATION

SEE FIGURE 2

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 13.11.27
CERT. NO.: 01-SH08-078/D
ISSUE NO.: 4



D120-752-3-001 PLACARD

MATERIAL:

- 1) WHITE LETTERS ON BLACK ADHESIVE BACK
MANUFACTURED FROM 3M 7 MIL MASKING FILM #8522CP OR AVERY IPM #2031
- 2) ALL DIMENSIONS ARE IN INCHES
- 3) TOLERANCES PER DART QSI 018 UNLESS OTHERWISE NOTED

PARTS LIST

Qty 3-101	Qty 3-103	Qty 3-105	Qty 3-107	Part Number	Description
X	X			D120-752-3-101	FLIR U7500 PROVISIONS KIT
				D120-752-3-103	MOUNT ONLY
		X		D120-752-3-105	L3 THERMAL IMAGER PROVISIONS KIT
			X	D120-752-3-107	WESCAM MX-10 PROVISIONS KIT
1	1	1	1	AEC 120A73-0063-02	EXTERNAL PROVISIONS, LH
1	1	1	1	AIRFILM DT-11	DOVETAIL
1	1	1	1	AIRFILM DT-13	DOVETAIL
1	1	1	1	D120-752-3-001	PLACARD
1				FLIR U7500	FLIR SYSTEM
1				MA100-120	ISOLATION COLLAR
			1	MX-10	WESCAM TURRET
			1	12 TS/DS 650	L3 THERMAL IMAGER
5				1/4-20	CAP SCREW
4	4	4	4	AN4-10A	BOLT
4	4	4	4	AN525-418R16	SCREW
			4	MS20002-4	WASHER
4				MS20004-12	BOLT
12	8	8	8	MS21042L4	NUT (OR MS21042-4)
5				NAS1149C0332R	WASHER (OR AN960C10L)
16	16	12	8	NAS1149D0416J	WASHER (OR AN960JD416L)
8	4	4	4	NAS1149D0463J	WASHER (OR AN960JD416)
			4	NAS1351-4H16	SOCKET HEAD CAP SCREW

WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D120-752-3-101 FLIR PROVISIONS KIT	44.0 lb	-17.0 in	-748 in lb	68.1 in	2996 in lb
D120-752-3-103 MOUNT ONLY	2.2 lb	-0.43 m	-8.60 m kg	1.73 m	34.60 m kg
D120-752-3-105 L3 THERMAL IMAGER PROVISIONS KIT	2.2 lb	-17.0 in	-37.4 in lb	68.1 in	150 in lb
D120-752-3-107 WESCAM MX-10, PROVISIONS KIT	1.0 kg	-0.43 m	-0.43 m kg	1.73 m	1.73 m kg
	48.0 lb	-17.0 in	-633 in lb	68.1 in	3337 in lb
	22.3 kg	-0.43 m	-9.59 m kg	1.73 m	38.58 m kg
	39.2 lb	-17.0 in	-668 in lb	68.1 in	2670 in lb
	17.8 kg	-0.43 m	-7.65 m kg	1.73 m	30.78 m kg

NOTES:

- 1) THIS IS A STRUCTURAL PROVISIONS ONLY APPROVAL. APPROVAL FOR INTEGRATION OF THIS EQUIPMENT WITH THE AIRCRAFT IS THE RESPONSIBILITY OF THE INSTALLER.
- 2) INSTALL THE D120-752-3-001 PLACARD ON THE INSTRUMENT PANEL IN CLEAR VIEW OF THE PILOT.
- 3) TORQUE ALL BOLTS 50-70 IN-LBS UNLESS OTHERWISE NOTED.

C	ADD -3-107 INSTALLATION (ZN C5-1, D3-1, A5-4, B3-1); REVISE -3-001 (ZN A5-1)	RF	13.11.25
B	ADD -3-105 INSTALLATION	RF	10.03.03
A	NEW ISSUE	RF	06.03.15
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. C
MFG. APPR.	N/A	D120-752-3	SHEET 1 OF 4
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	CAMERA INSTALLATION	NTS
DATE	13.11.25	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO22536**

Purchase Order Date 1/7/2014

PO Print Date 1/7/2014

Page Number 1 of 2

Order From :
STUDIO DE LETTRAGE 2001
210 MAIN WEST
HAWKESBURY, ON K6A 2H6
CA

VC-STU001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED
01/16/08

Contact Name
Vendor Phone 613 632 5449

Ship To Contact
Ship To Phone
Ship Via: Yours ppd
Ship Acct:

Buyer
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	D120-752-3-001P AS PER DWG D120-752-3-001 B110645	Placard	1/13/2014 Yes 1/13/2014		12.00 Each	\$6.67	\$80.00
Line Total:							\$80.00
2	D4917-300P AS PER DWG D4917 REV. A B110573	Placard, Max Load	1/13/2014 Yes 1/13/2014		10.00 Each	\$8.00	\$80.00
Line Total:							\$80.00
3	D4917-315P AS PER DWG D4917 REV. A B110574	Placard, Max Load	1/13/2014 Yes 1/13/2014		10.00 Each	\$8.00	\$80.00

Note:

1/7/2014

Studio de Lettrage

210 Main Street W
Hawkesbury, Ontario K6A 2H6

INVOICE

Invoice No.: 21478
Date: 01/13/2014
Ship Date: 01/10/2014
Page: 1
Re: Order No. WO11610

Sold to:

Dart Aerospace Ltd
1270 Aberdeen
Hawkesbury, Ontario K6A 1K7

Ship to:

Dart Aerospace Ltd
Hawkesbury, Ontario

Business No.: 82500 7651 RT0001

Business No.:		82500 7651 RT0001				
Item No.	Unit	Quantity	Description	Tax	Unit Price	Amount
		12	D120-752-3-001P	H	6.6667	80.00
		10	D4917-300P	H	8.0000	80.00
		10	D4917-315P	H	8.0000	80.00
		10	D4917-320P	H	8.0000	80.00
		10	D4917-332P	H	8.0000	80.00
			PO# 22536			
			H - HST 13%			
			HST			52.00

****Certificate of Conformity****

Customer:

Studio LetHrage

Purchase Order #:

22536

Packing Slip #:

#11610

Part #:

Serial #:

Description: D120-752-3001P
D4917-300P / D4917-315P
D4917-320P / D4917-332P

Quantity:

Certification:

We hereby certify that:

1. The above the listed items were manufactured, repaired and/or inspected in accordance with applicable drawings and/or specifications;
2. All work was accomplished in accordance with the Dart Aerospace Purchase Order;
3. Results of all inspections, chemical or physical tests, as well as other evidence, which shows the acceptability of raw materials, parts and/or assembly components are on file and available for inspection at any time.

Authority:

Avery

APPROVAL:

Sandy Collin

Signature:

Sandy Collin

Title:

Project Coordinator

DATE:

10 Jan 2014

PRODUCT DATA SHEET



Avery® IPM™ 2031

issued: 01/04/2005

Introduction

Avery® IPM™ 2031 is a high quality pressure-sensitive vinyl film, designed for use on wide format inkjet printers. Avery® IPM™ 2031 has excellent printing properties, allowing crisp print quality with bright and vibrant colours. Avery® IPM™ 2031 offers rapid ink drying and a water-resistant material. It combines good adhesion during its life and easy removal afterwards.

Description

Facefilm: 80-micron premium white calendered, topcoated vinyl.
Adhesive: removable, acrylic based
Backing paper: one side coated kraft paper, 140 g/m²

Features

- Excellent printability
- Vibrant and bright colours
- Crisp print quality
- Spray water resistant wit specific pigmented inks
- Good adhesion, excellent removability
- Warranty on outdoor durability

Recommendations for use

A wide variety of full-colour graphics for indoor - and **short/medium term outdoor** applications such as posters, murals, displays, exhibition stands, vehicle graphics etc. Avery® IPM™ 2031 is suitable for application to a wide variety of substrates and will remove cleanly for up to 1 year after application.

IPM media should be handled with care as any surface contamination may affect the print quality. Media should be processed in an environment of 15-25°C and 30-70% relative humidity. After drying, the finished prints should be wrapped in polyethylene film and despatched flat or rolled with the printed side facing outwards. To protect prints against water, UV/light and abrasion, overlamination with a clear film is recommended. For specific details of Avery® DOL combinations, refer to "Technical Bulletin 5.3. Recommended combinations of Avery® Overlaminates and Avery® Digital Print Media"

Always test your combination of Avery® IPM™ medium, inkjet printer and inks prior to commercial use.

Compatibility

Avery® IPM™ 2031 is compatible with a broad selection of inkjet printers, when printing with pigmented, water based inks. For specific details refer to "Technical Bulletin 5.6 Avery Dennison Inkjet Print Media - Printer compatibility".

Durability:

Avery® IPM™ 2031 is warranted for outdoor use in conjunction with pigmented outdoor inks from HP, Encad and Colorspan. The warranted period varies from type of application and type of overlaminate from 18 months up to 5 years. For full details, see our Avery® IPM™ Outdoor warranty.



www.averygraphics.com

Graphics Division
Rijndijk 86, P.O. Box 118
2394 ZG Hazerswoude - The Netherlands
Tel +31 71 3421500 - Fax +31 71 3421538

PRODUCT CHARACTERISTICS

Avery® IPM™ 2031

Physical properties

Features	Test method ¹	Results
Caliper, facefilm	ISO 534	80 µm
Gloss	ISO 2813, 20°	1%
Dimensional stability	DIN 30646	0.3 mm. max
Adhesion, initial	FINAT FTM-1, stainless steel	180 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	260 N/m
Flammability		Self extinguishing
Accelerating ageing	DIN 53587, 500h exposure	No negative impact on film Performance
Shelf life	Stored at 22° C/50-55 % RH	2 years
Removability		up to 1 year
Not when applied to: Nitro-cellulose paints, ABS, Polystyrene, certain types of PVC		
Durability ²	Overlaminated with DOL 4300	5 years
	Overlaminated with DOL 1000, DOL 1100 with overlaps	3 years
	Overlaminated without overlaps for static applications only	2 years
	Without overlaminate and used for static, Non-abrasive application ONLY	18 months

Only when printed with ENCAD GO, HP and Colorspan pigmented inks and when properly applied in accordance with our application instructions. Only applicable for vertical exposure.

Temperature range

Features	Results
Application temperature	Minimum: +10°C
Service temperature	-20°C to +80°C

Important

Information on physical and chemical characteristics is based upon tests we believe to be reliable. The values listed herein are typical values and are not for use in specifications. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use.

All technical data are subject to change. In case of any ambiguities or differences between the English and foreign versions of these Conditions, the English version shall be controlling.

Warranty

Avery® branded materials are manufactured under careful quality control and are warranted to be free from defect in material and workmanship. Any material shown to our satisfaction to be defective at the time of sale will be replaced without charge. Our aggregate liability to the purchaser shall in no circumstances exceed the cost of the defective materials supplied. No salesman, representative or agent is authorised to give any guarantee, warranty, or make any representation contrary to the foregoing.

All Avery® branded materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

1) Test methods

More information about our test methods can be found on our website.

2) Durability

The durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing south; in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased.



www.averygraphics.com

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